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IS 4570-13-2 (1993): Crystal Unit Holders, Part 13: Quartz Crystal Unit Holder Outline for Automatic Handling, Section 2: Metal, Sealed, Two Pin Crystal Unit Holder Type CU 02 [LITD 5: Semiconductor and Other Electronic Components and Devices]



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भारतीय मानक

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क्रिस्टल इकाई होल्डर — विशिष्ट

भाग 13 स्वचालित प्रहस्तन के लिये क्वार्ट्ज क्रिस्टल इकाई होल्डर की रूप-रेखा

अनुभाग 2 धातु, सीलबंद, दो पिन वाले क्रिस्टल इकाई होल्डर टाइप सी यू 02

Indian Standard

CRYSTAL UNIT HOLDERS — SPECIFICATION

PART 13 QUARTZ CRYSTAL UNIT HOLDER OUTLINE FOR
AUTOMATIC HANDLING

Section 2 Metal, Sealed, Two Pin Crystal Unit Holder Type CU 02

UDC 621.373.5 : 621.316.58

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NEW DELHI 110002

November 1993

Price Group 1

AMENDMENT NO. 1 MAY 2002
TO
IS 4570 (PART 13/SEC 2) : 1993 CRYSTAL UNIT
HOLDERS — SPECIFICATION

PART 13 QUARTZ CRYSTAL UNIT HOLDER OUTLINE FOR
AUTOMATIC HANDLING

Section 2 Metal, Sealed, Two Pin Crystal Unit Holder Type CU 02

(*Page 2, Table 1, col headed 'Identity Reference'*) — Substitute 'CU 02 A' for 'CU 01 A', 'CU 02 B' for 'CU 01 B', 'CU 02 C' for 'CU 01 C', 'CU 02 D' for 'CU 01 D', 'CU 02 E' for 'CU 01 E', 'CU 02 F' for 'CU 01 F'.

(*Page 2, Table 1, col headed 'Millimetres', sub-col headed 'Min'*) — Substitute '0.45' for '0.40' against Ref K.

(LTD 12)

Reprography Unit, BIS, New Delhi, India

FOREWORD

This Indian Standard (Part 13/Sec 2) was adopted by the Bureau of Indian Standards, after the draft finalized by the Piezoelectric Devices for Frequency Control and Selection Sectional Committee, LTD 12 had been approved by the Electronics and Telecommunication Division Council.

This standard shall be read in conjunction with IS 4570 (Part 1) : 1983 'Specification for crystal unit holders : Part 1 General requirements and tests (*first revision*)'.

This standard (Part 13/Sec 2) is based on IEC Doc 49 (C. O.) 223 'Quartz crystal unit outlines for automatic handling, types CU 01, CU 02, CU 03, CU 04, CU 05' issued by International Electrotechnical Commission (IEC) and covers quartz crystal unit holder outlines type CU 02.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***CRYSTAL UNIT HOLDERS — SPECIFICATION****PART 13 QUARTZ CRYSTAL UNIT HOLDER OUTLINE FOR AUTOMATIC HANDLING****Section 2 Metal, Sealed, Two Pin Crystal Unit Holder Type CU 02****1 SCOPE**

1.1 This standard (Part 13/Sec 2) specifies the outline dimensions for metal, sealed, two pin crystal unit holder for automatic handling, type CU 02.

2 REFERENCES

2.1 The following Indian Standard is a necessary adjunct to this standard:

<i>IS No.</i>	<i>Title</i>
4570 (Part 1) : 1983	Crystal unit holders : Part 1 General requirements and tests (<i>first revision</i>)

3 TYPE DESIGNATION

3.1 The crystal unit holder covered in this standard shall be designated as metal, sealed, two pin crystal unit, Type CU 02.

NOTE — The complete identity for any crystal unit holder outline is a six digit type number consisting of the basic type number (4 digits) followed by a letter indicating the enclosure height and a number indicating the lead length. The identity references for the last two digits are given in the table, where a dot indicates the missing information, which is given on another line.

Example — CU 02 B2 is the complete identity for the enclosure CU 02 with the height C_2 and the lead length L_2 .

4 OUTLINE AND DIMENSION

4.1 The outline and dimensions shall be according to Fig. 1 read alongwith Table 1.

5 CONSTRUCTION AND WORKMANSHIP

5.1 See 5 of IS 4570 (Part 1) : 1983.

6 MARKING

6.1 See 6 of IS 4570 (Part 1) : 1983.

7 TEST

7.1 See 7 of IS 4570 (Part 1) : 1983.

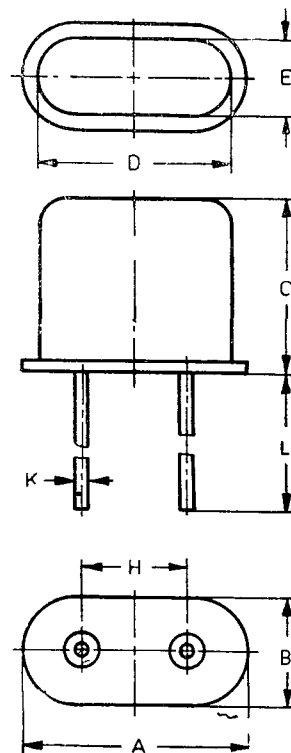


FIG. 1 METAL, SEALED, TWO-LEAD CRYSTAL UNIT HOLDER OUTLINE FOR AUTOMATIC HANDLING, TYPE CU 02

Table 1 Dimensions for Quartz Crystal Unit Holder Type CU 02
(Clauses 3.1 and 4.1)

Ref	Millimetres			Identity Reference	Notes
	Min	Nom	Max		
A	—	—	11.10		
B	—	—	5.00		
C ₁	—	—	3.60	CU 01 A	1
C ₂	—	—	5.10	CU 01 B	1
C ₃	—	—	7.00	CU 01 C	1
C ₄	—	—	9.70	CU 01 D	1
C ₅	—	—	11.50	CU 01 E	1
C ₆	—	—	13.50	CU 01 F	1
D	—	—	10.20		
E	—	—	3.80		
H	4.67	4.90	5.08		
K	0.40	—	0.55		
L ₁	12.70	—	—	CU 02-1	1
L ₂	15.50	—	—	CU 02-2	1

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Doc : No. LTD 12 (1615)

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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